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MITSUMI CHEM INC *JP 2000155439-A
 1998.11.20 1998-330392(+1998JP-330392) (2000.06.06) G03G 9/08,
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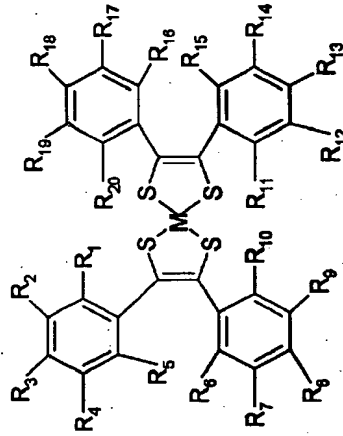
An absorber of infrared rays for a toner and a toner containing this absorber
C2000-148334

NOVELTY

An electrophotographic toner contains an absorber of infrared rays.

DETAILED DESCRIPTION

The absorber is of formula (1).



(1)

R₁ through R₂₀ = H, halogen, optionally substituted alkyl, optionally substituted alkoxy, optionally substituted aryl, optionally substituted aryloxy, alkylamino, dialkylamino, arylamino, or diarylamino;
 M = a metal atom.

USE

This toner is intended for flash fixing.

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ADVANTAGE

High efficiency of optical energy absorption and light/heat conversion is attained. This toner has excellent toner fixing property.

EXAMPLE

The amount of the absorber to add is 0.01 - 50 wt% per the binding resin. The binding resin typically includes polystyrene, polyester, epoxy, polyamide, and phenol.

DEFINITIONS

Preferred Definitions: In formula (1),
R₁ through R₂₀ = H, alkyl, or alkoxy, respectively. M is Ni, Pd, Pt, or Cu.
(7pp074DwgNo.0/0)